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TI Preparation of pyrrolidone or N-methylpyrrolidone

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PA BASF A.-G., Fed. Rep. Ger.

SO Ger. Offen., 2 pp.

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AB A procedure for the prepn. of pyrrolidone or N-methylpyrrolidone (I) was characterized in that one reacts MeNH₂ or Me₂NH in the presence of a peroxide radical initiation with H₂C:CHCN at 150-220.degree.. Me₂NH contg. 5% H₂O was heated in an autoclave to 180.degree. and treated simultaneously with H₂C:CHCN and a soln. of (Me₃CO)₂ in Me₂NH within 1 h and the whole kept 3 h at 180.degree. to give I as main product and dimethylaminopropionitrile as byproduct.

IC ICM C07D207-267

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DT Patent

LA German